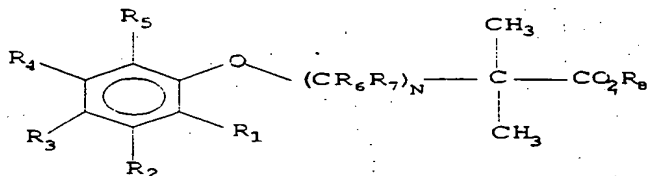


NOVEL ANTIMICROBIAL ACTIVITY OF GEMFIBROZIL

Abstract of the Disclosure

The present invention provides for a method for inhibiting growth of a bacterium which consists essentially of contacting the bacterium with a compound having the structure:



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wherein each of R_1 , R_2 , R_3 , R_4 , R_5 and R_6 may be independently H, F, Cl, Br, I, -OH, -OR₇, -CN, -COR₇, -SR₇, -N(R₇)₂, -NR₇COR₈, -NO₂, -(CH₂)_pOR₇, -(CH₂)_pX(R₇)₂, -(CH₂)_pXR₇COR₈, a straight chain or branched, substituted or unsubstituted C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₃-C₁₀ cycloalkyl, C₃-C₁₀ cycloalkenyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein a linkage to the benzene ring may alternatively be -N-, -S-, -O- or -C-; wherein R₇ or R₈ may be independently H, F, Cl, Br, I, -OH, -CN, -COH, -SH, -NH₂, -NHCOH, -(CH₂)_pOH, -(CH₂)_pX(CH₂)_p, -(CH₂)_pXCOH, a straight chain or branched, substituted or unsubstituted C₁-C₁₀ alkyl, thioalkyl, methylene thioalkyl, acyl, phenyl, substituted phenyl, or heteroaryl; wherein A may be -N₂-, -NH-, -C=C=CH₂-, -C≡C-C₂HOH-, -C≡C-CH₂-, -CH₂-CH₂-O-, -CH₂-CH₂-CH₂-O-, -S-, -S(=O)₂-, -C=O-, -C=O-O-, -NH-C=O-, -C=O-NH-; and wherein Q, p, N and X may independently be an integer from 1 to 10, or if Q is 1 A may be a (C₁-C₁₀)-alkyl chain, (C₁-C₁₀)-alkenyl chain or (C₁-C₁₀)-alkynyl chain which can optionally be interrupted 1 to 3 times by -O- or -S- or -N-; or a pharmaceutically acceptable salt or ester thereof, which compound is present in a concentration effective to inhibit growth of the bacterium. A may be an (C₁-C₁₀)-alkylene chain, (C₁-C₁₀)-alkyl chain, or (C₁-C₁₀)-alkynyl chain which is branched or unbranched, substituted or unsubstituted and can optionally be interrupted 1 to 3 times by -O- or -S- or -N-.